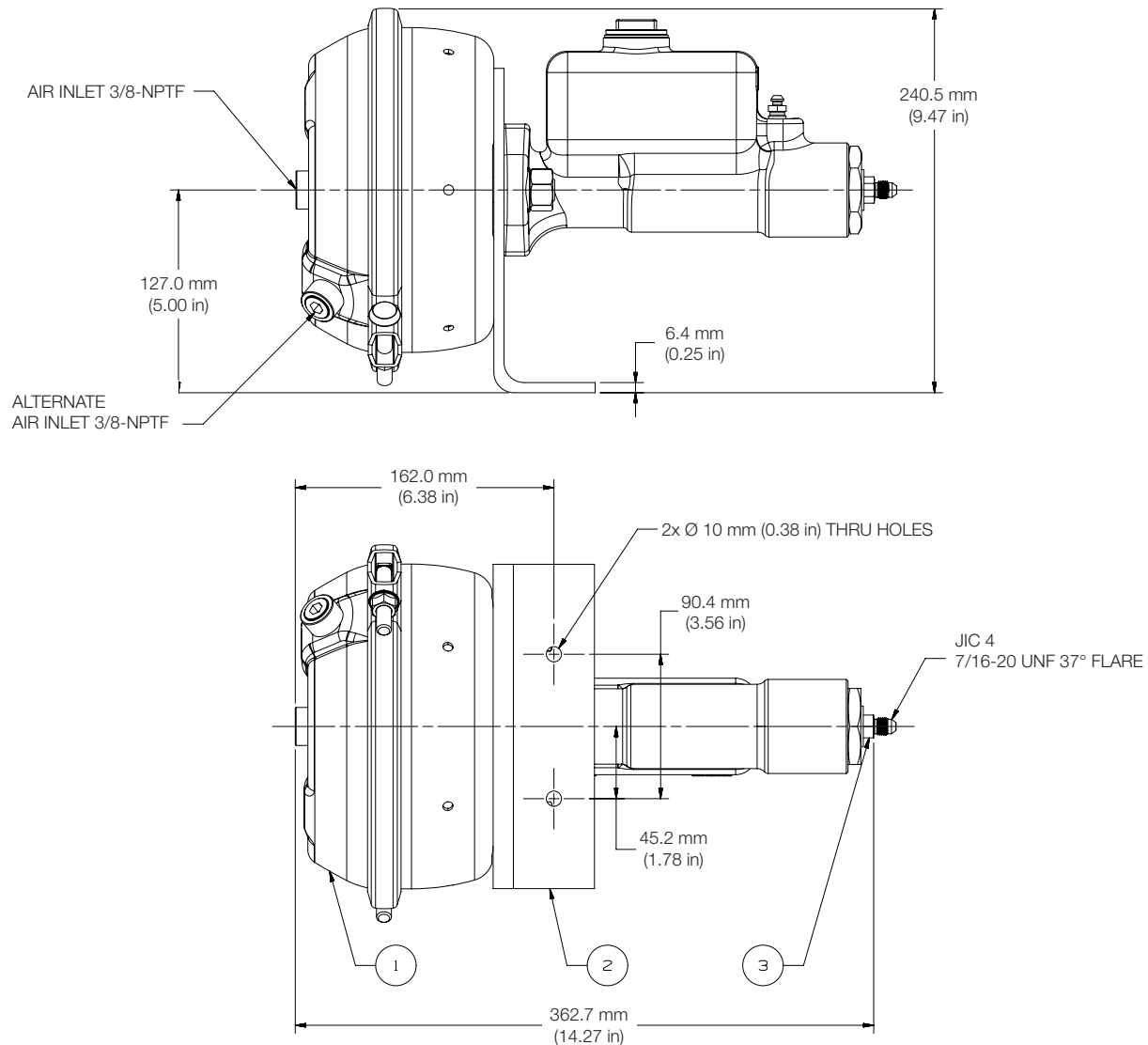


20:1 Intensifier Assembly with 38 mm Master Cylinder

Nominal dimensions given. For specific dimensions please contact Twiflex.



Parts

Item	Description	Qty	Part Number
	20:1 (38 mm) Intensifier Assembly	1	8400256
1	Intensifier with (38 mm) Master Cylinder	1	8400257
2	Support Bracket	1	7909333
3	JIC4 adaptor	1	7301543

Data

Maximum permissible air pressure	8 bar (116 psi)
Master cylinder hydraulic outlet pressure	160 bar (2320 psi)
Effective master cylinder stroke	50.8 mm (2.0 in)
Effective displacement	57.4 ml (3.5 in ³)

Note

Care must be taken not to exceed the maximum permissible hydraulic pressure for the brakes operated by this intensifier assembly.

20:1 Intensifier Assembly with 38 mm Master Cylinder

Description

This air-over-oil intensifier assembly is a self-contained fluid actuator, air chamber and integral reservoir. The robust design allows it to be used in a wide range of brake installations including material handling, mining and marine, as well as numerous industrial applications.

The maximum system pressure and volume displacement must be carefully considered when sizing an intensifier for use in a particular application. The intensifier should have a greater displacement output than the brake system, plus an adequate reserve.

In the absence of users' own hydraulic supply, this unit will produce the high pressures required by hydraulic disc brakes, using an available supply of compressed air.

With air pressures at up to 8 bar (116 psi) maximum, hydraulic pressures of up to 160 bar (2320 psi) are produced.

The unit is designed for use with mineral oil based hydraulic fluids only and should be mounted at the highest point in the hydraulic circuit.

Features

- May be used with both pressure-applied (positive) or spring-applied (negative) brake calipers
- For industrial applications using mineral oil based hydraulic fluids
- Includes stroke indicator
- Master cylinder components protected from external contaminants
- A quick exhaust valve (QEV) may be fitted at the air inlet port where rapid release of pressure-applied brakes is required

Function

The master cylinder is a single acting type with one piston. Pressure applied on the air chamber inlet actuates a push-rod which bears directly on the master cylinder piston, in turn forcing pressurised hydraulic fluid through the oil outlet port.

Option

Item	Description	Qty	Part Number
	Fittings for 8mm OD pipe, comprising		
1	7/16-20 JIC female to G1/4" male adaptor	1	7301544
2	G1/4" female stud coupling	1	7301545
3	1/4" bonded seal	1	7301541